IN THE CLAIMS

1. (Currently Amended) Aluminium-magnesium alloy product for welded mechanical construction, having the following composition, in weight percent:

Mg	4.0 - ~~6.0~~ 5.6
Mn	0.4 - 1.2
Zn	0.4 - 1.5
Zr	0.25 max.
Cr	0.3 max.
Ti	0.2 max.
Fe	0.5 max.
Si	0.5 max.
Cu	0.4 max.
Sc	0.01 - 0.5; and
impurities	0.05 max. each
	0.15 max. total; and
	balance aluminium.

2. (Cancelled)

3. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Mg content is in the range 4.6 to 5.6 wt.%.

4. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Zn content is in the range of 0.4 to 0.9 wt.%.

5. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Zn content is in the range of 0.5 to 0.9 wt.%.

6. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Zr content is in the range of 0.05 to 0.25 wt.%.

7. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Zr content is in the range of 0.05 to 0.20 wt.%.

8. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Zr content is in the range of 0.10 to 0.20 wt.%.

9. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Sc content is in the range of 0.01 to 0.3 wt.%.

10. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Sc content is in the range of 0.1 to 0.5 wt.%.

11. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Sc content is in the range of 0.1 to 0.3 wt.% .

12. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Mn content is in the range of 0.4 to 0.9 wt.%.

13. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Mn content is in the range of 0.6 to 0.9 wt.%.

14. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Fe content is in the range of 0.15 to 0.35 wt.%.

15. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Fe content is in the range of 0.20 to 0.30 wt.%.

16. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Si content is in the range of 0.07 to 0.25 wt.% .

17. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Si content is in the range of 0.10 to 0.20 wt.%.

18. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Cr content is 0.15 wt.% max.

19. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Cu content is 0.1 wt.% max.

20. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the product is provided in the form of a rolled product or an extruded product.

21. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, having a temper selected from O- temper and a work-hardened temper.

22. (Previously Presented) Welded structure comprising at least one welded plate or extrusion made of aluminium-magnesium alloy product according to claim 1.

23. (Previously Presented) Welded structure according to claim 22, wherein the proof strength of the weld of said welded plate or extrusion is at least 140 MPa.

24. (Previously Presented) Welded structure according to claim 22, having an improved resistance to exfoliation when sensitised for at least 10 days at 120°C.

25. (Previously Presented) Welded structure according to claim 22, having an exfoliation resistance of PA or better in an ASSET test in accordance with ASTM G66 and when sensitised in O temper for 20 days at 120°C.

26. (Previously Presented) Welded structure according to claim 22, having an exfoliation resistance of PA or better in an ASSET test in accordance with ASTM G66 and

when sensitised in a work hardened temper for 16 days at 100°C.

27. (Previously Presented) Welded structure according to claim 22, wherein the welded structure is a marine vessel.

28. (Previously Presented) Welded structure according to claim 22, wherein the welded structure is a container for land transportation.

29. (Withdrawn) A method of use of an aluminium-magnesium alloy product according to claim 1, comprising exposing the product to an operating temperature greater than 80°C.

30. (Previously Presented) Aluminium-magnesium alloy product for welded mechanical construction, consisting of, in weight percent:

Mg	4.0 - 5.6
Mn	0.4 - 1.2
Zn	0.4 - 1.5
Zr	0.25 max.
Cr	0.3 max.
Ti	0.2 max.
Fe	0.5 max.
Si	0.5 max.
Cu	0.4 max.
Sc	0.01 - 0.5, and
impurities	0.05 max. each
	0.15 max. total; and

balance aluminium.